



METHOD AND SYSTEM FOR INTERACTIVE TEACHING AND PRACTICING OF  
LANGUAGE LISTENING AND SPEAKING SKILLS  
Inventors: David Dunlap, Derek M. Koch, Douglas P. Whetter  
Attorney Docket No.: C004 100104

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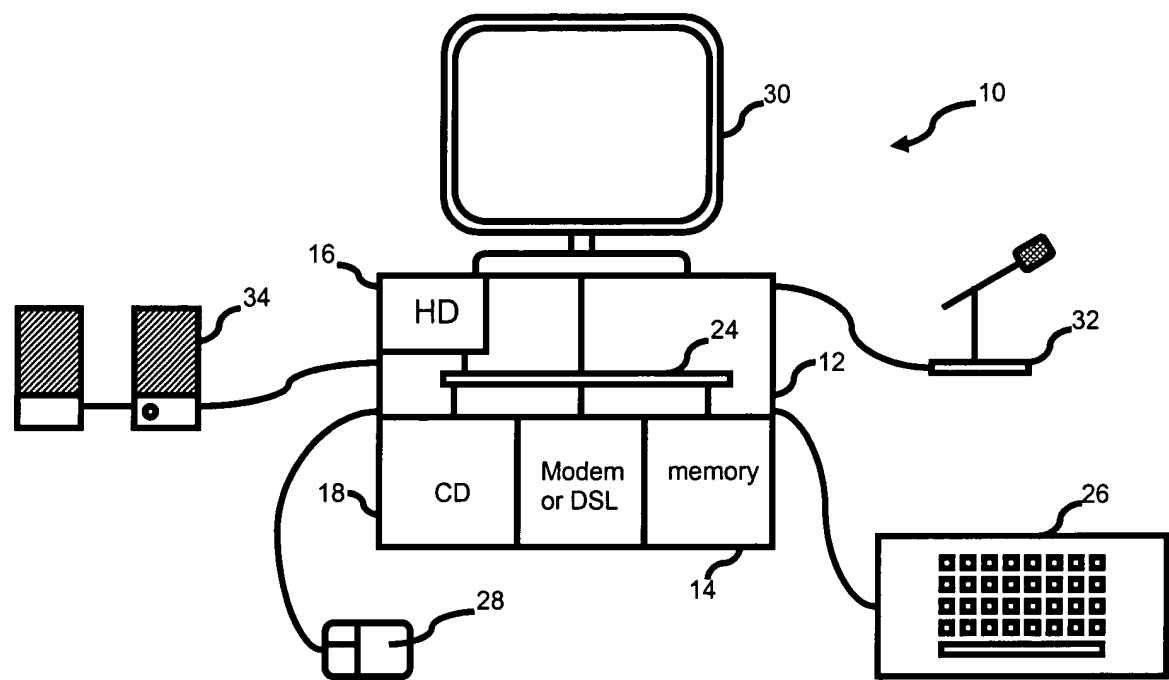


FIG. 1

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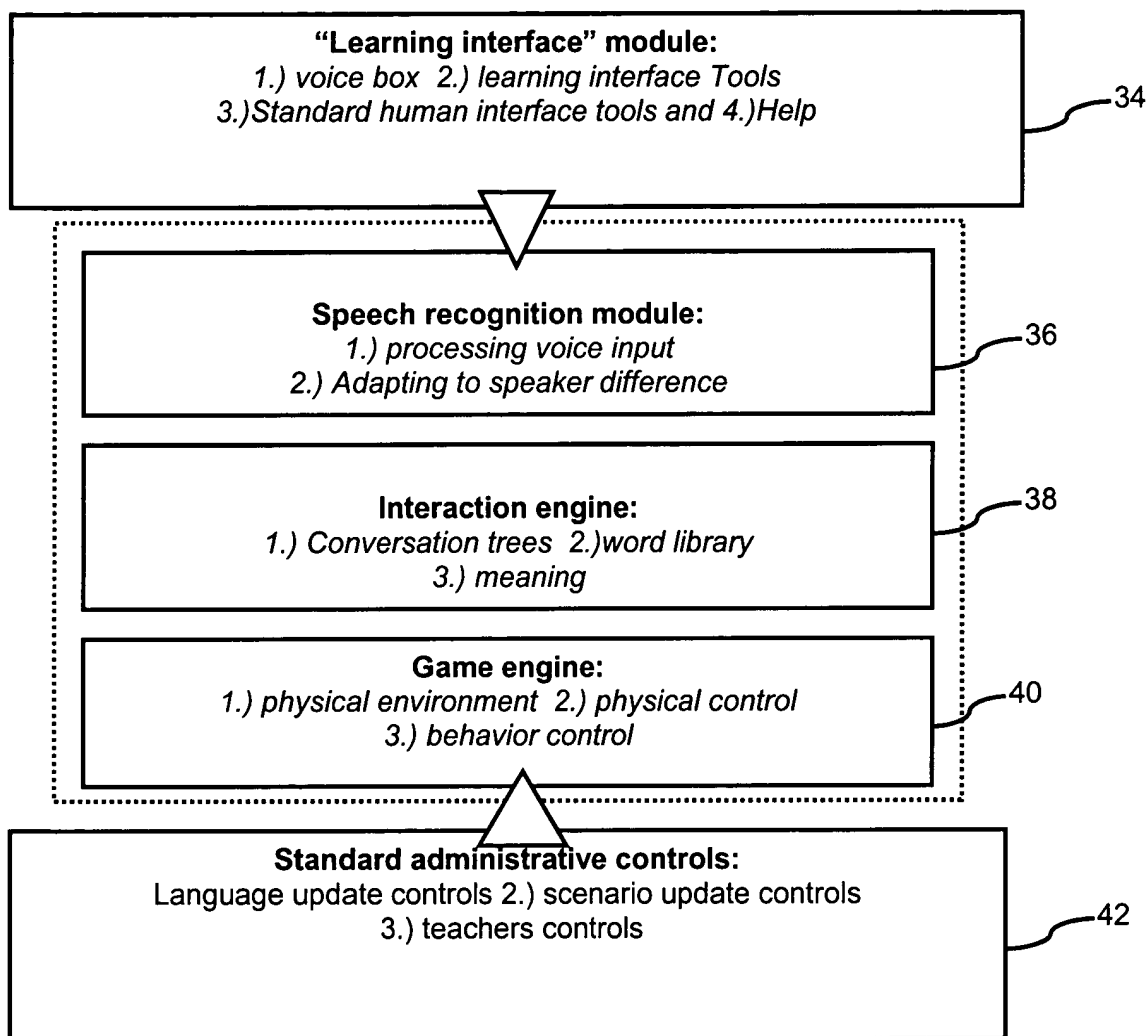


FIG. 2

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Learner 1  
    UserName  
    Demographics  
        Name  
        Age Range  
        Sex  
    Speech Recognition  
        Reference to Voice Model  
        Substitution Error List  
    Learning  
        Language  
        Teacher ID  
        Last Lesson Number  
        Last Area Number  
        Last Location  
        Setup Preferences  
        Lessons  
            Lesson 1  
                Character 1  
                    Points  
                    Duration  
                    Nodes Skipped  
                Character 2, etc.  
            Lesson 2, etc.  
Learner 2, etc.

FIG. 3

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Language Dialect 1

Name of Dialect

Reference to Vocabulary Word Models

Reference to Language Model

Speech Recognition Substitution Error List

Language dialect-specific graphics (surfaces, dress)

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Environment Areas

Area 1

Coordinates

Start Location

Objects

Object 1

Name

Graphics

Coordinates

Reference to Animation Details

Reference to Voice Recording

Object 2, etc.

Characters

Character 1

Name

Graphics

Coordinates

Script

Node 1

Lesson Points

Character Prompt

Text

Reference to Voice Recording

Expected Learner Response 1

Text

Grammar Statement

Next Node ID

Expected Learner Response 2, etc.

Node 2, etc.

Character 2, etc.

Area 2, etc.

Lessons

Lesson 1

Area I

Character R

Character S, etc.

Area J, etc.

Lesson 2, etc.

Language Dialect 2, etc.

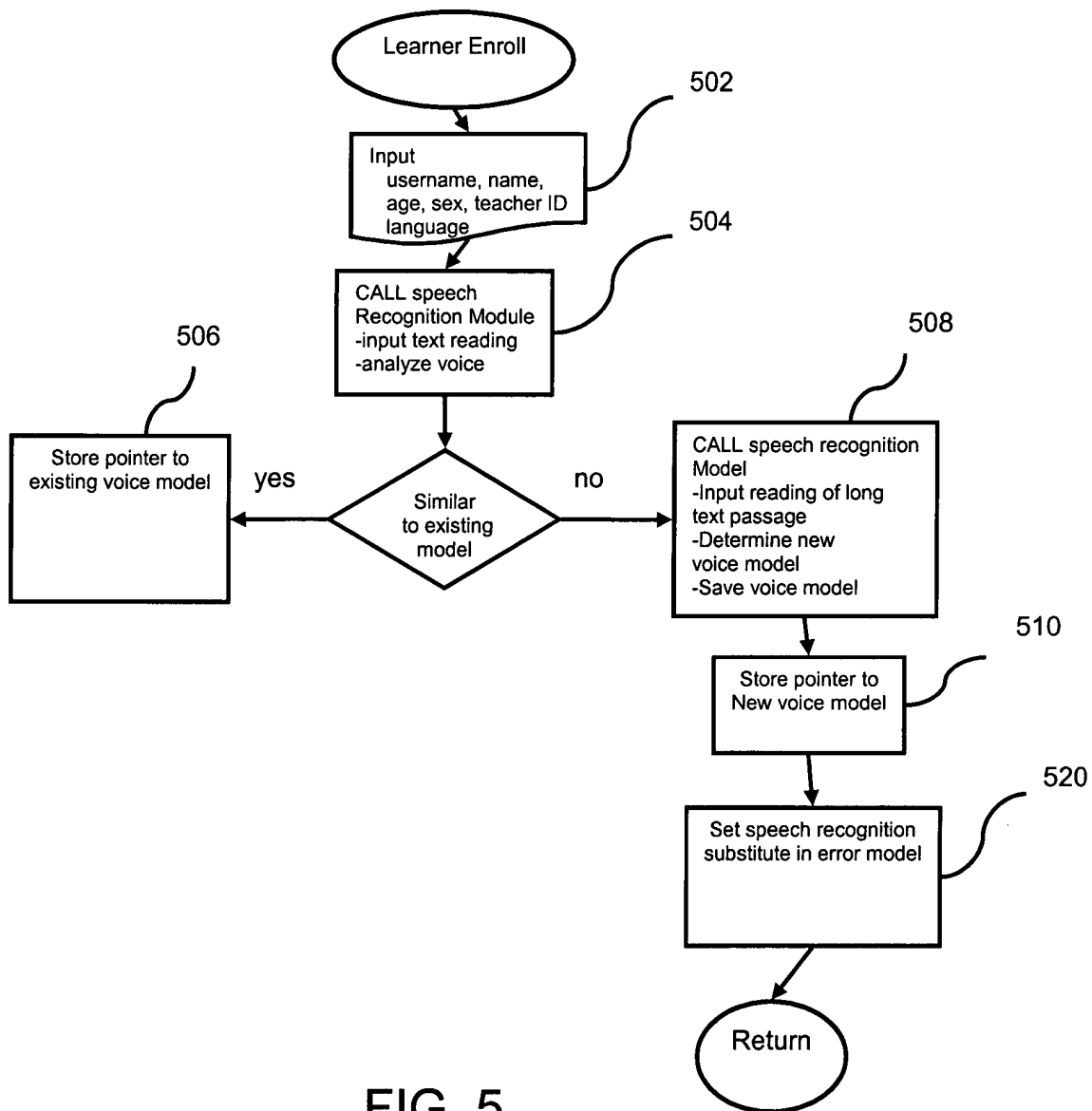
FIG. 4

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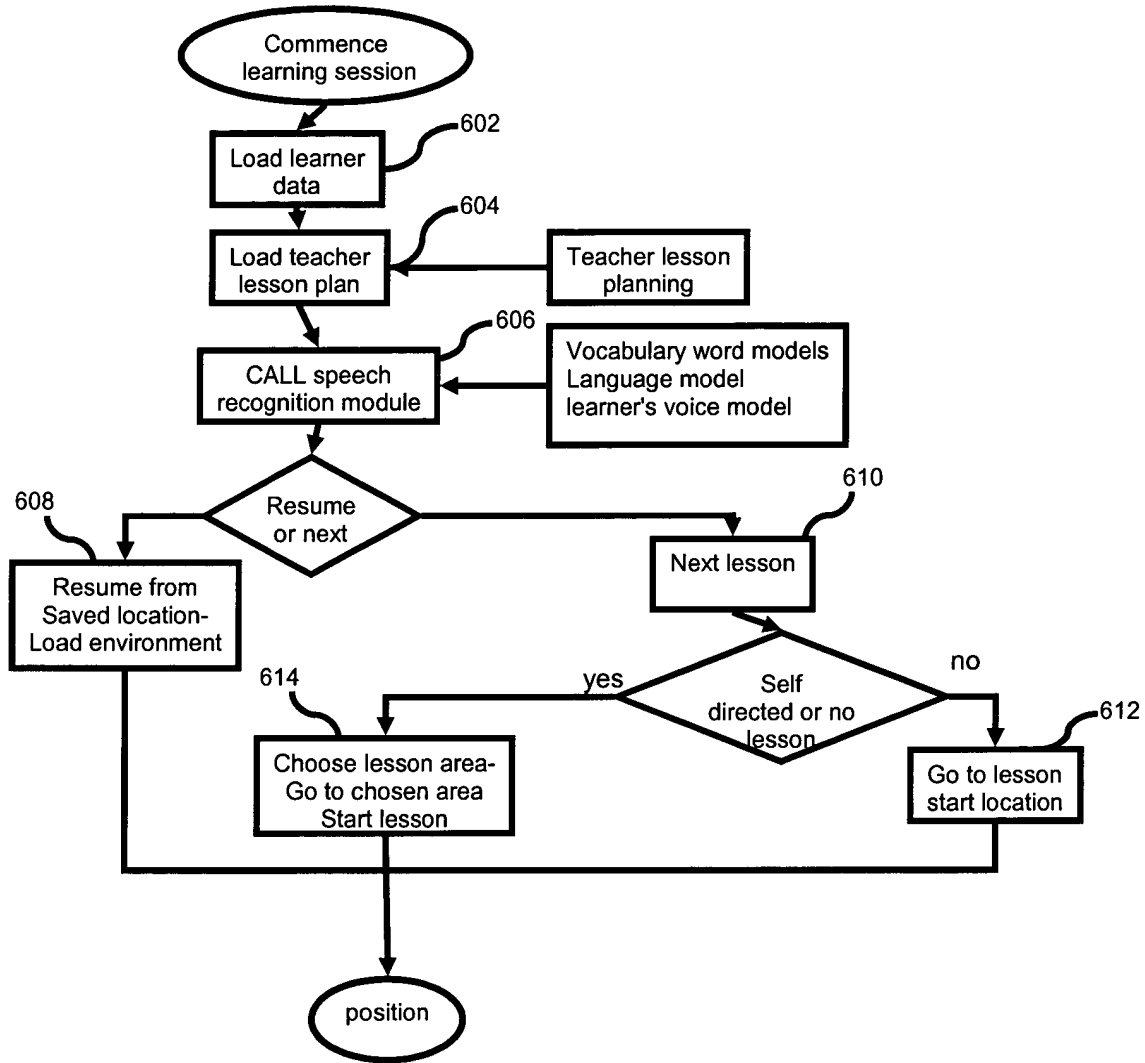


FIG. 6

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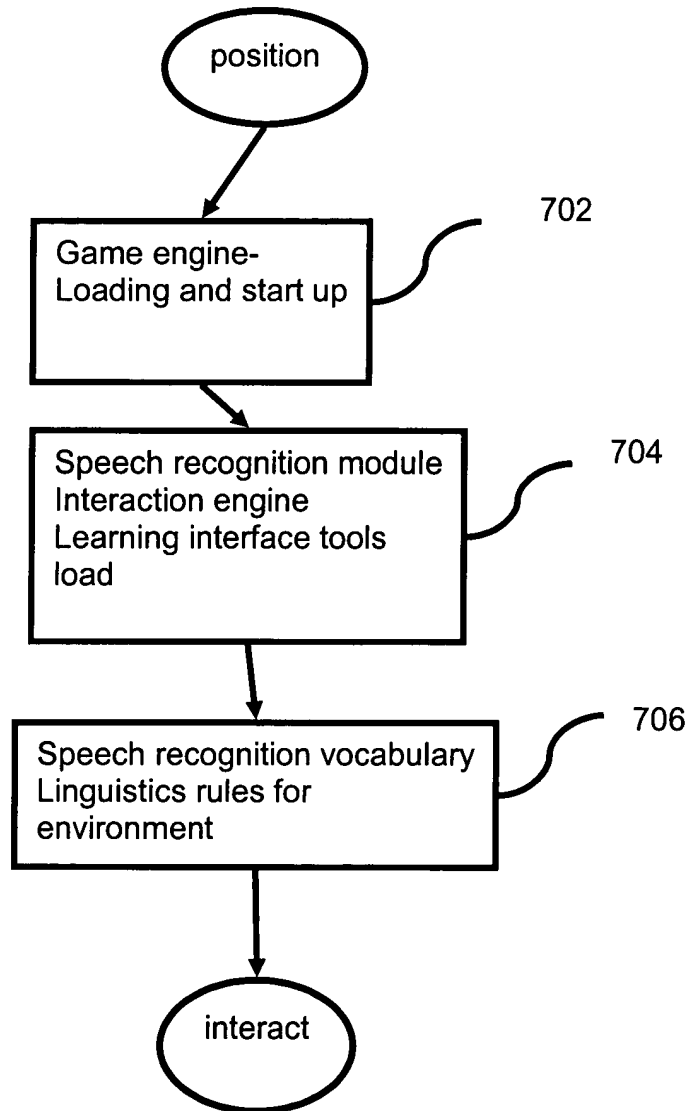


FIG. 7

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FIG. 8



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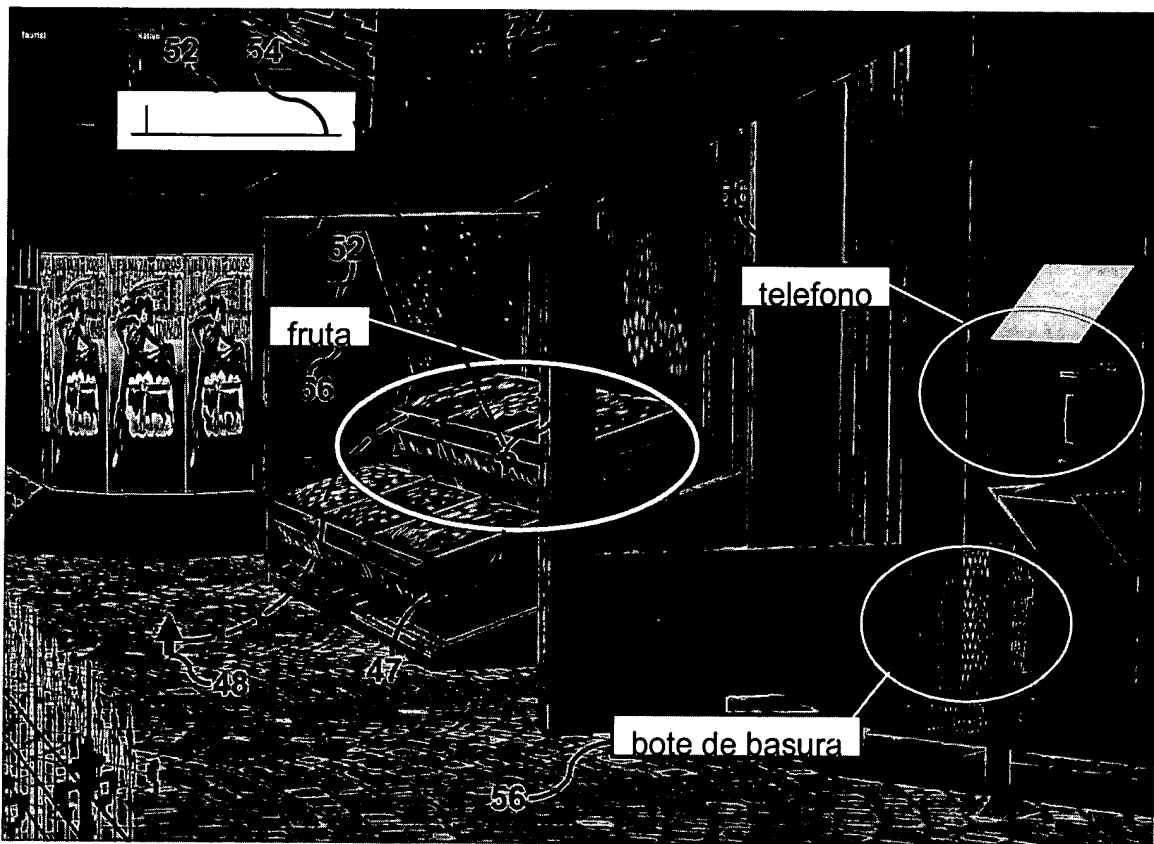


FIG. 9a

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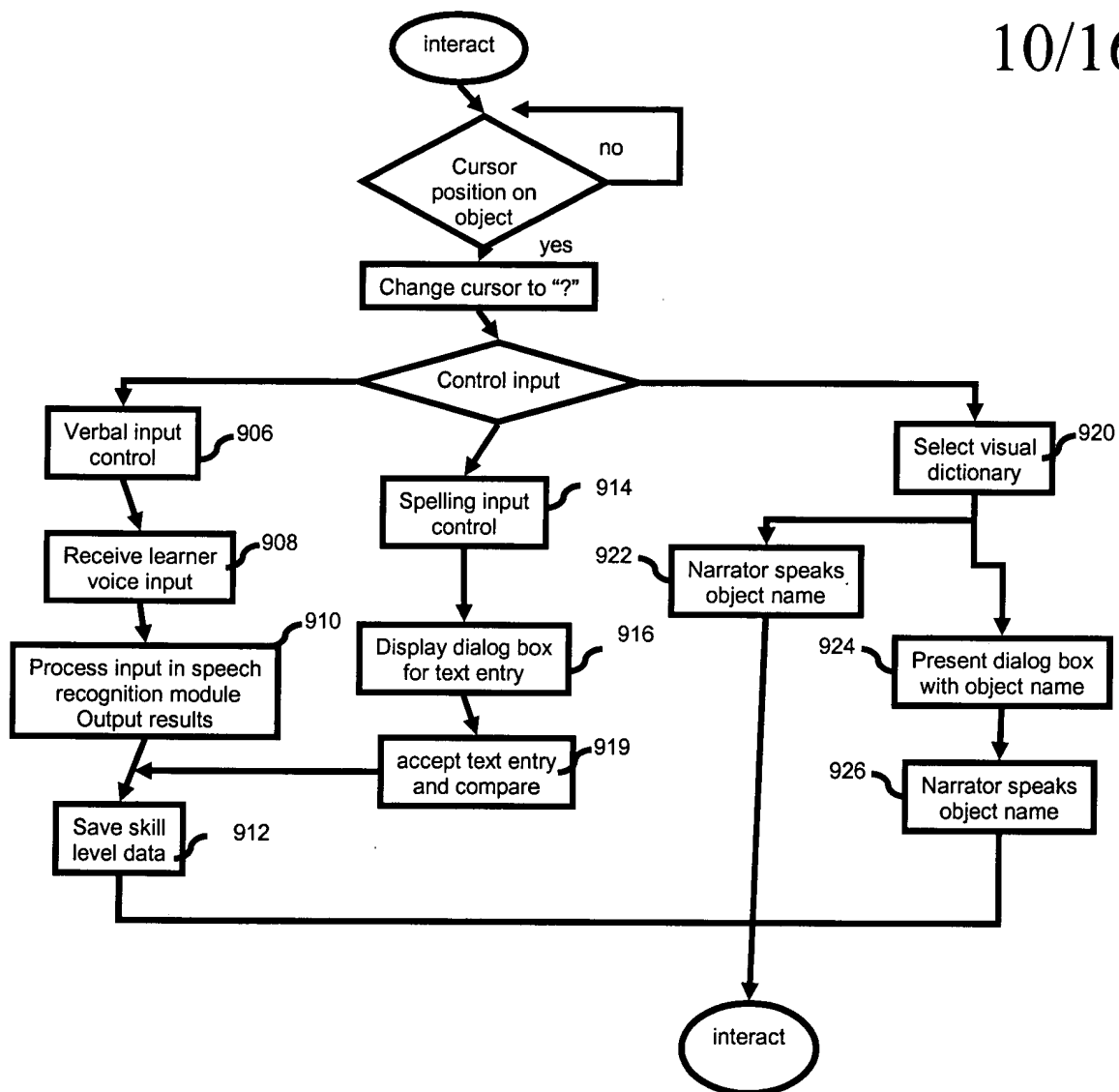


FIG. 9b

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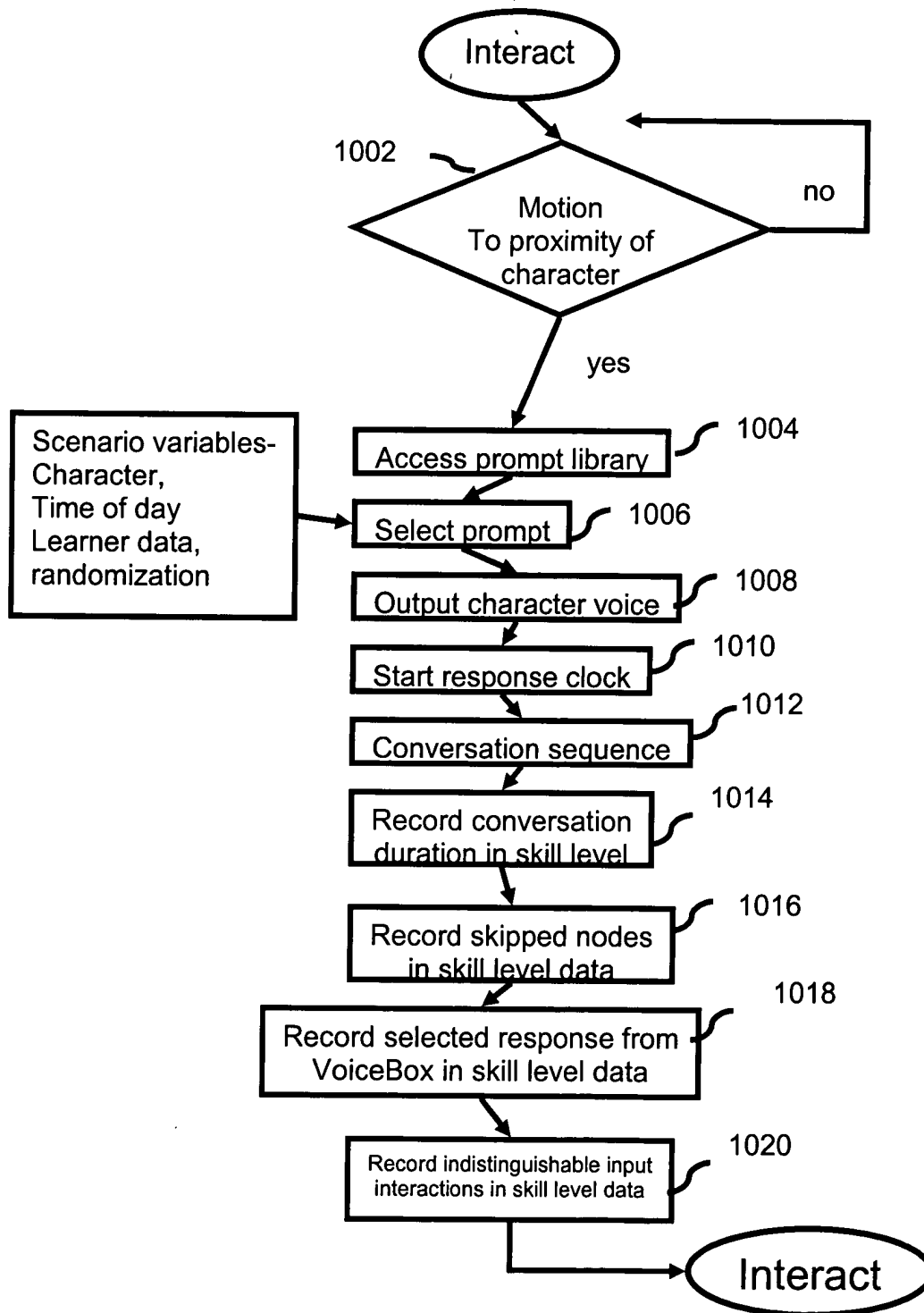


FIG. 10

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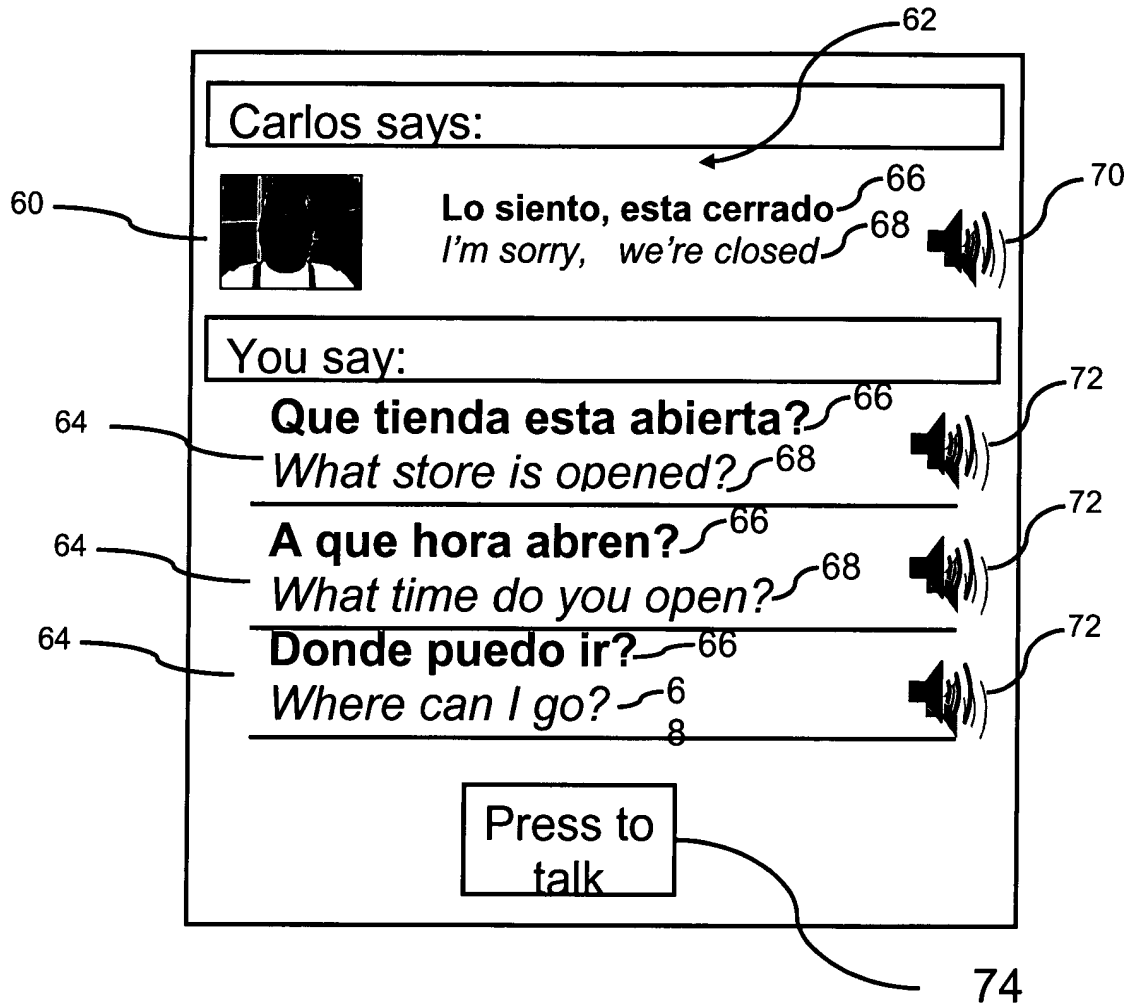


Fig 11

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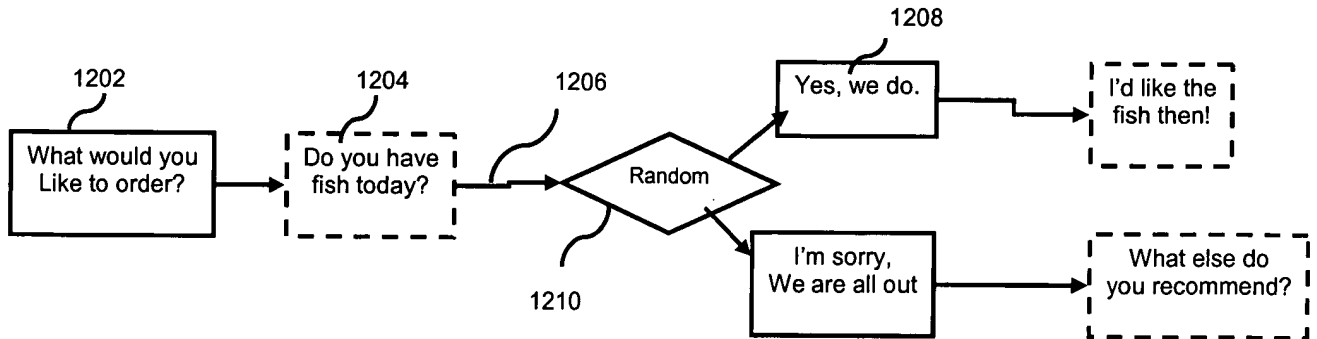


FIG. 12 A

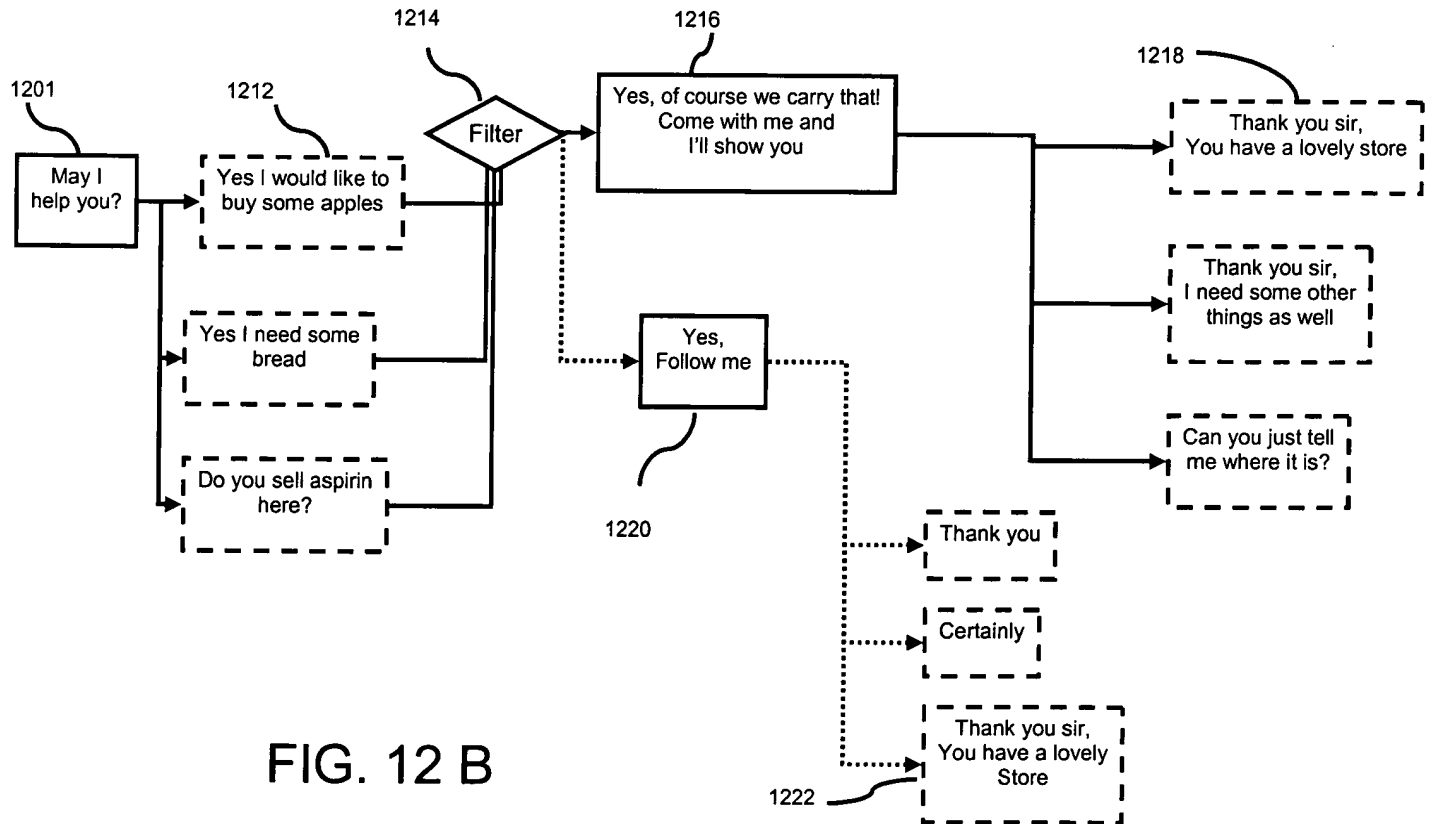


FIG. 12 B

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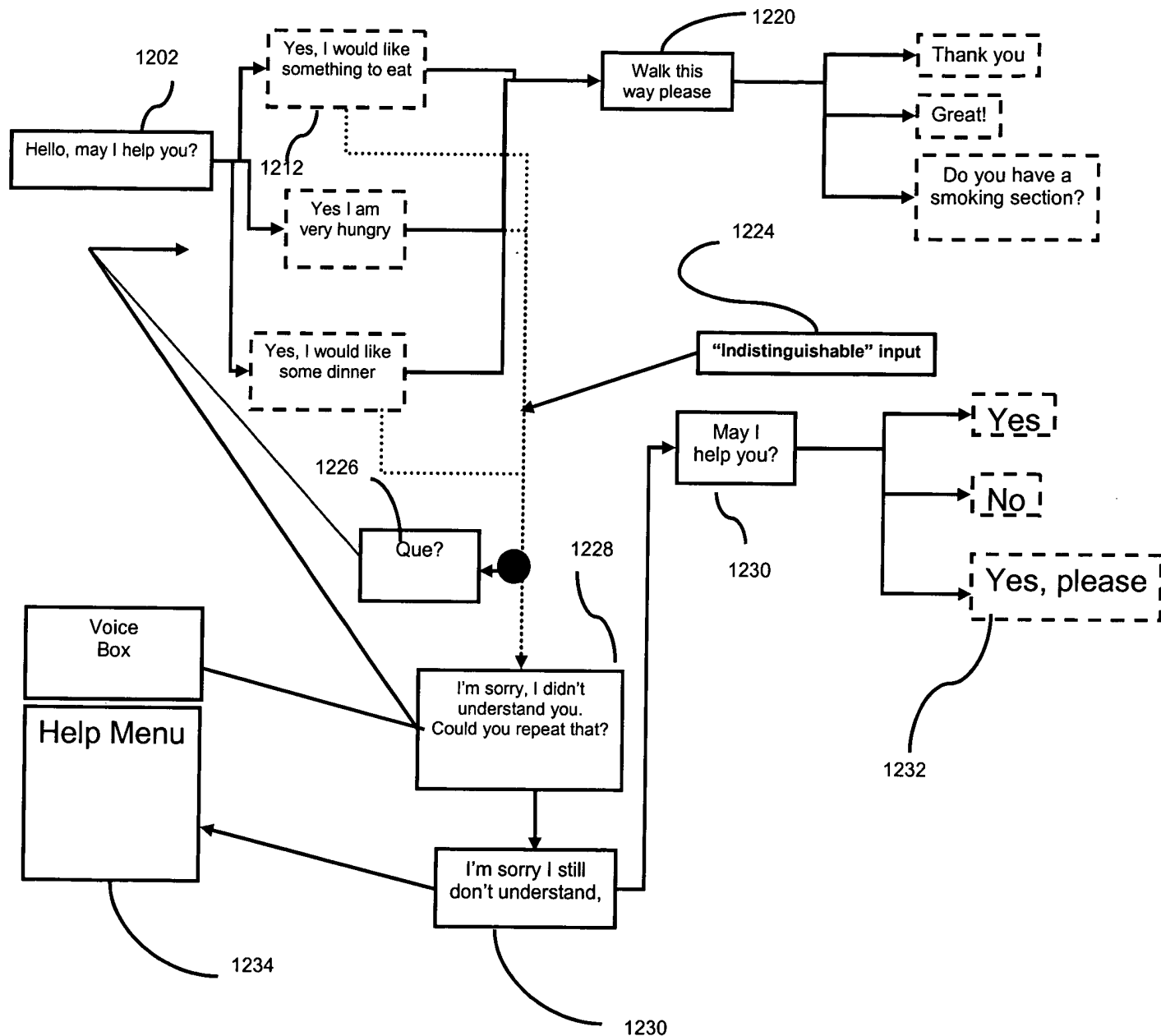


FIG. 12 C

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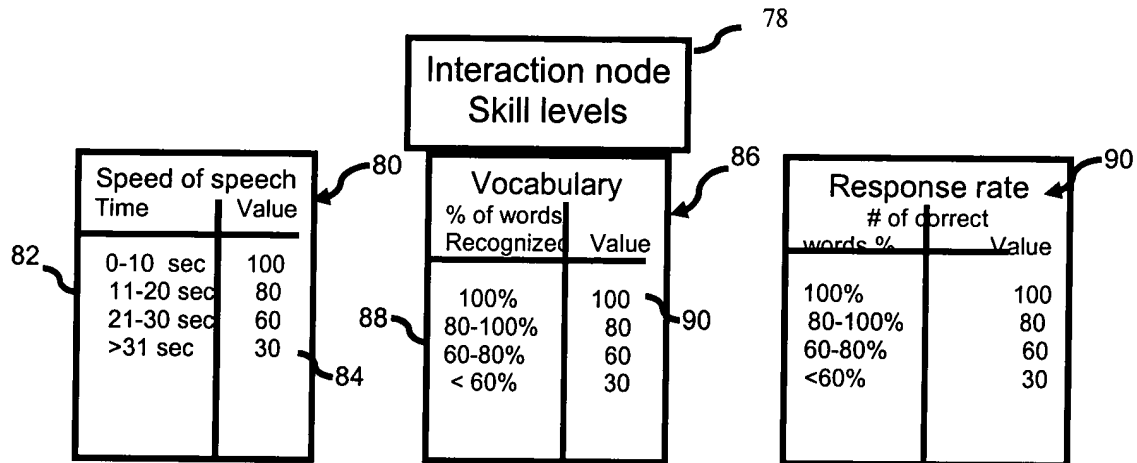


FIG. 13A

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Actual learner response at interaction node					
Node #	SOS	Ave SOS	vocab	ave vocab	RR ave RR
N-4	80	80	100	100	60 - 60
N-3	60	70	100	100	80 - 70
N-2	60	66	80	93	60 - 66
N	100	76	80	90	80 - 70

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FIG. 13B

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Weighting matrix					
SOS	25	Vocab	100	RR	50

FIG. 13C

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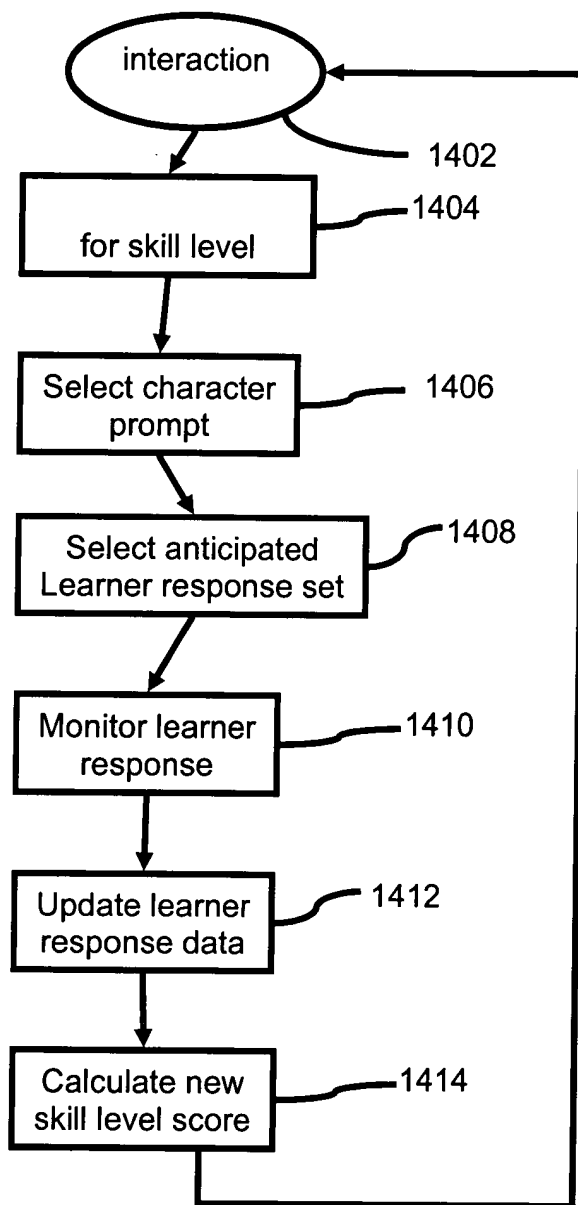


FIG. 14